

**PATENT ABSTRACTS OF JAPAN**

(11)Publication number : 58-189242

(43)Date of publication of application : 04.11.1983

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(21)Application number : 57-074174

(71)Applicant : TOYO POLYMER KK

(22)Date of filing : 30.04.1982

(72)Inventor : ITO YOSHIKI

**(54) PRODUCTION OF HIGH-MOLECULAR POROUS MATERIAL**

(57)Abstract:

PURPOSE: To produce a high-molecular porous material having a thickness of 10W20mm, by causing a high-molecular material compsn. contg. a cell-forming agent to gel in a mold made of a porous material, and removing said cell-forming agent by extraction with a non-solvent for the high-molecular material.

CONSTITUTION: A cell-forming agent (such as polyvinyl alcohol or methylcellulose) soluble in both a good solvent and a non-solvent (e.g. water) for a high-molecular material described below is mixed with a liquid raw material obtd. by dissolving a high-molecular material such as polyurethane in a good solvent therefor, such as dimethyl-formamide. The resultant high-molecular material compsn. is charged in a mold made of an open-cell material such as a mold having a void content of 10W95% made of sintered polypropylene article, and immersed in a non-solvent for the high-molecular material to cause the high-molecular material compsn. to gel. The cell-forming agent is removed by extraction with a non-solvent from the gel.

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